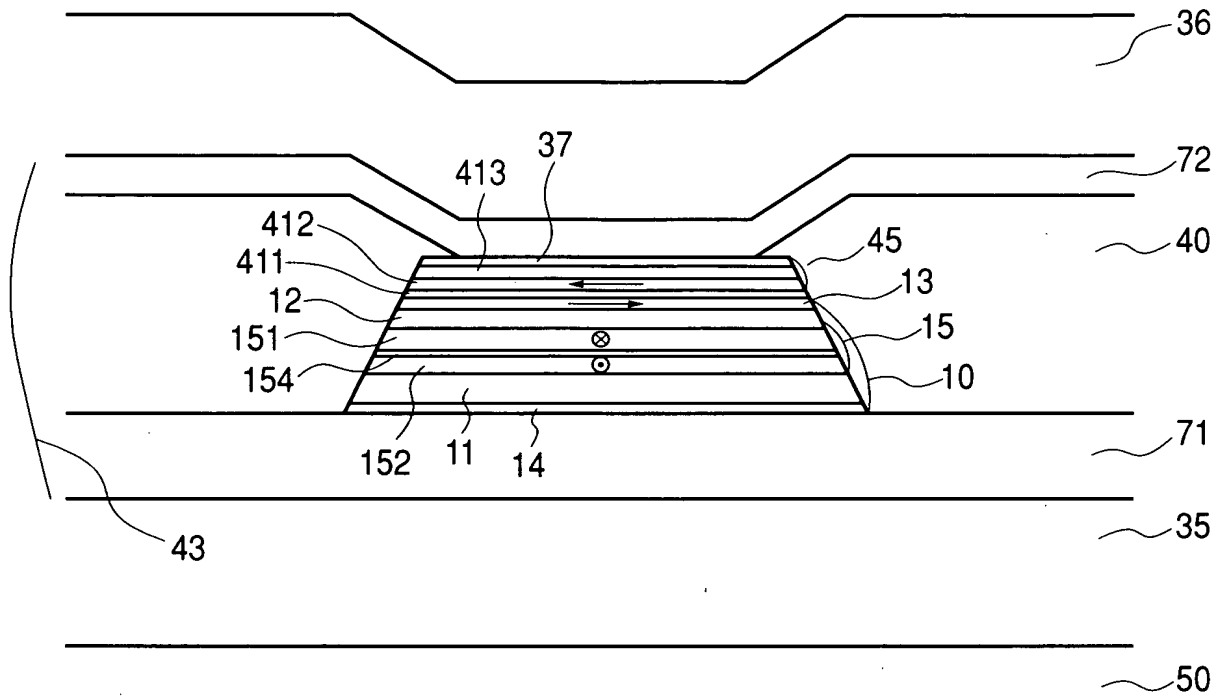
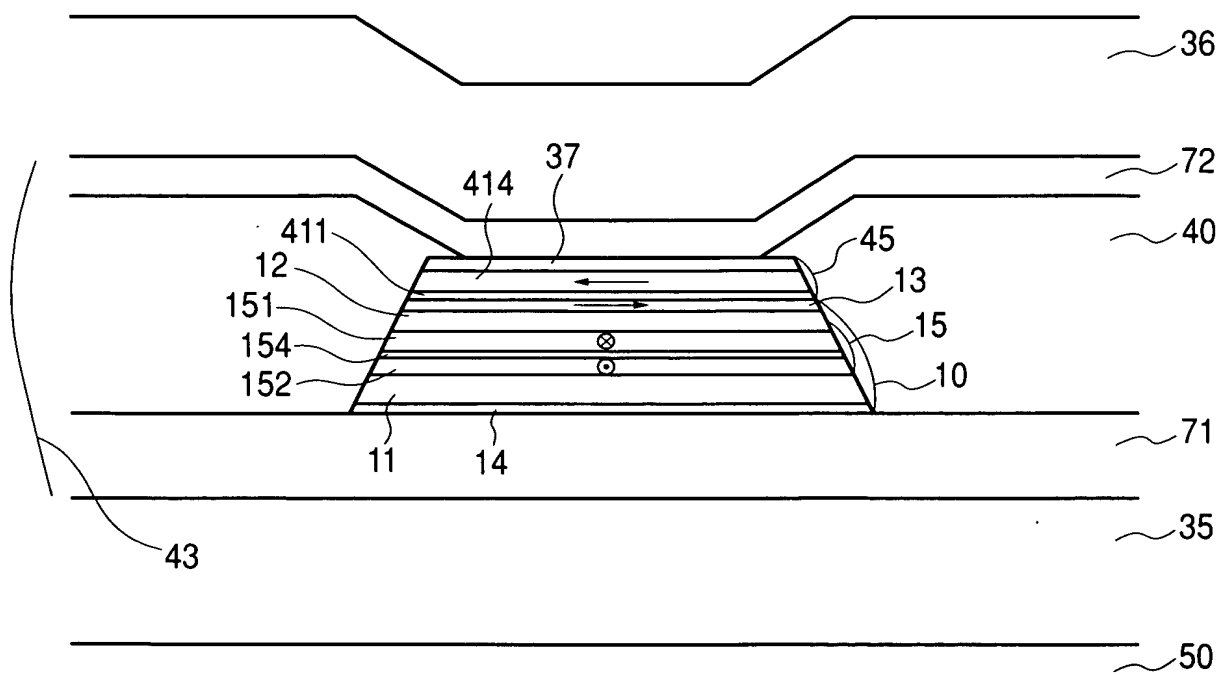


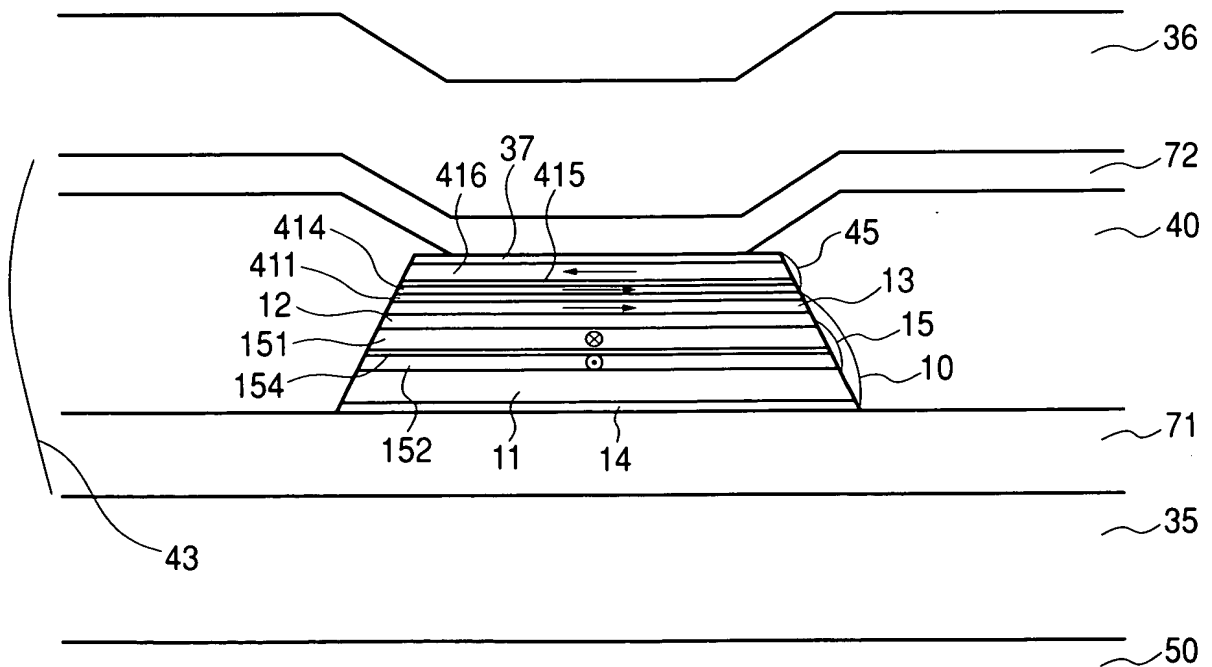
**FIG. 1**



**FIG. 2**



**FIG. 4**



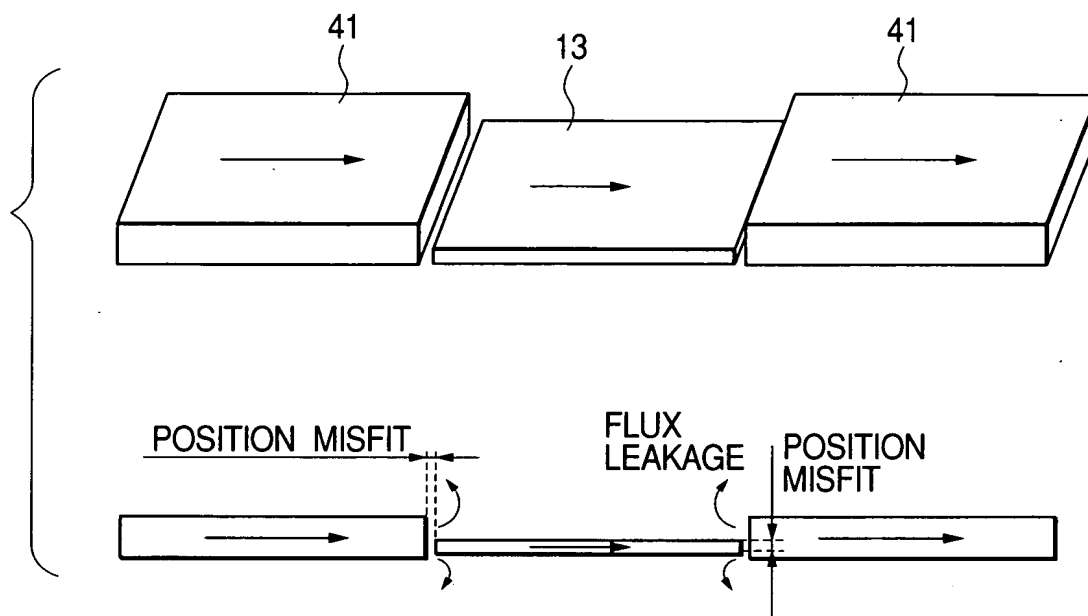
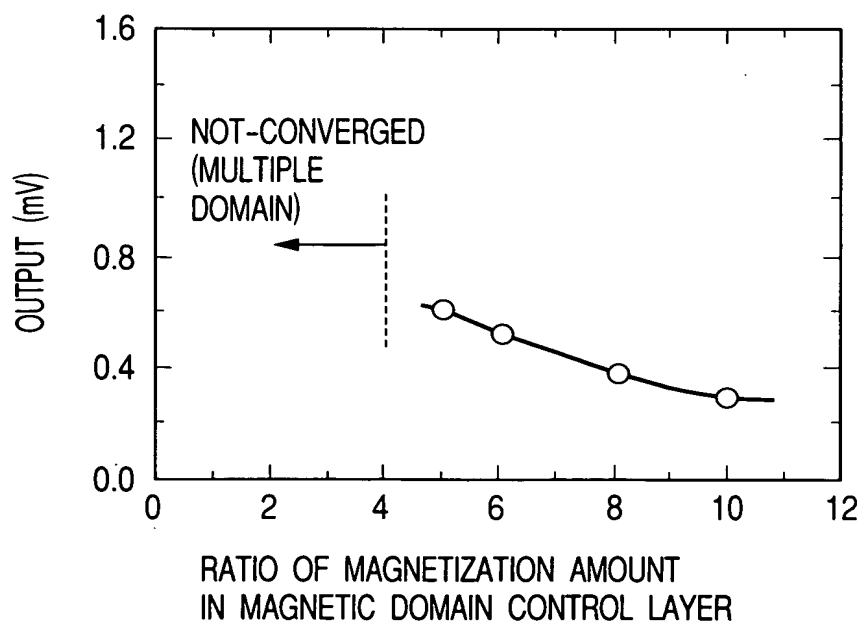
*FIG. 5**FIG. 6*

FIG. 7

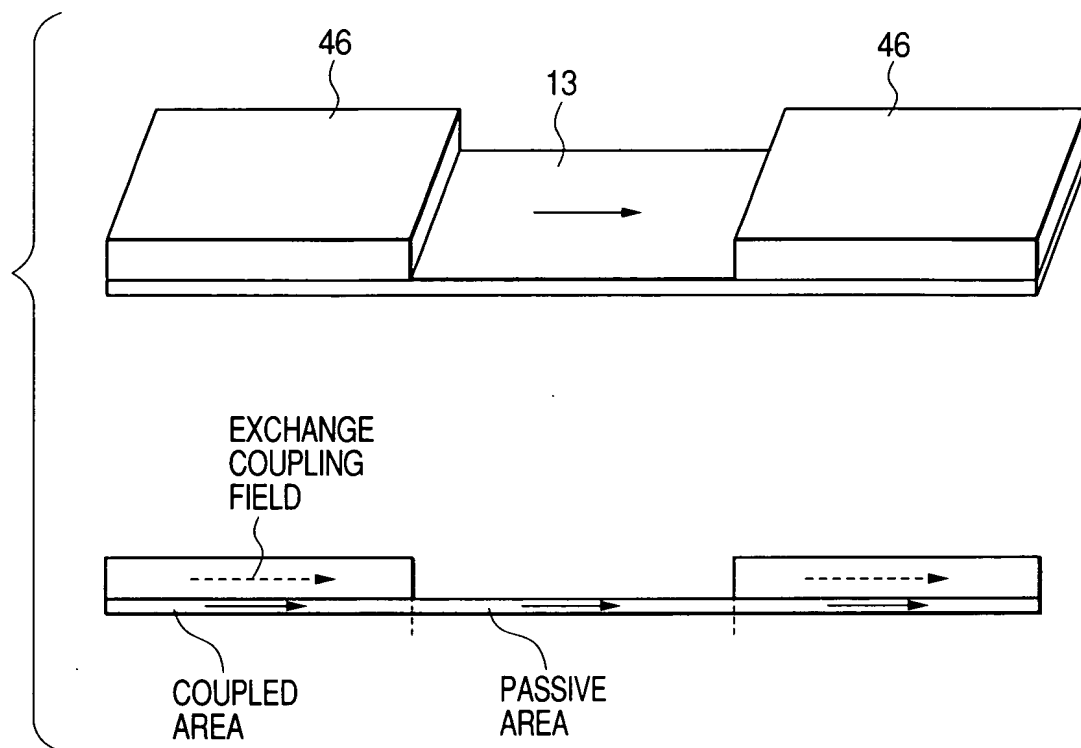
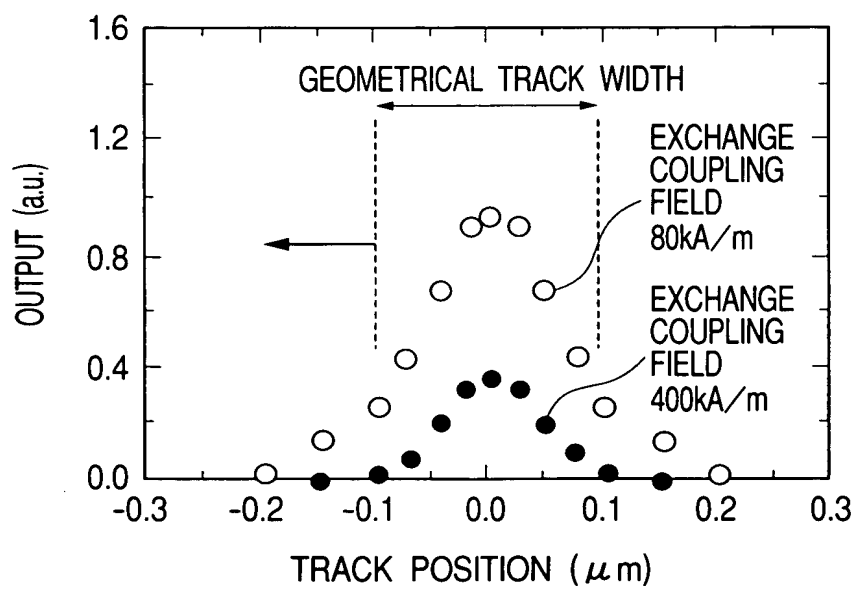
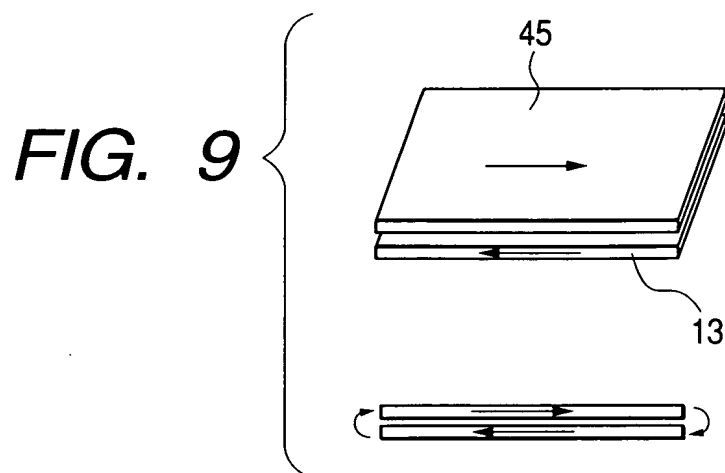


FIG. 8





**FIG. 10**

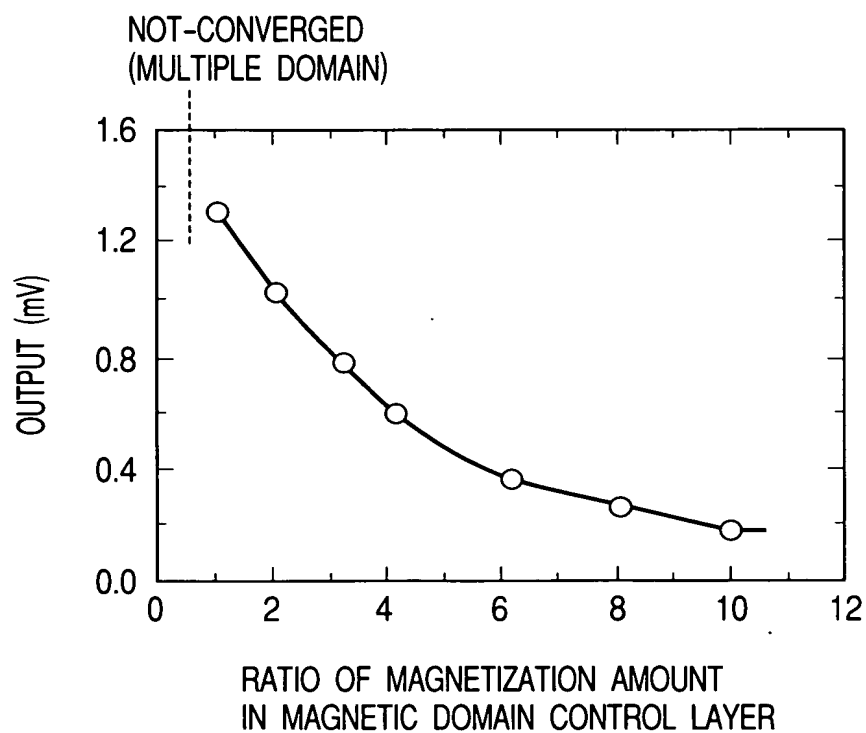


FIG. 11

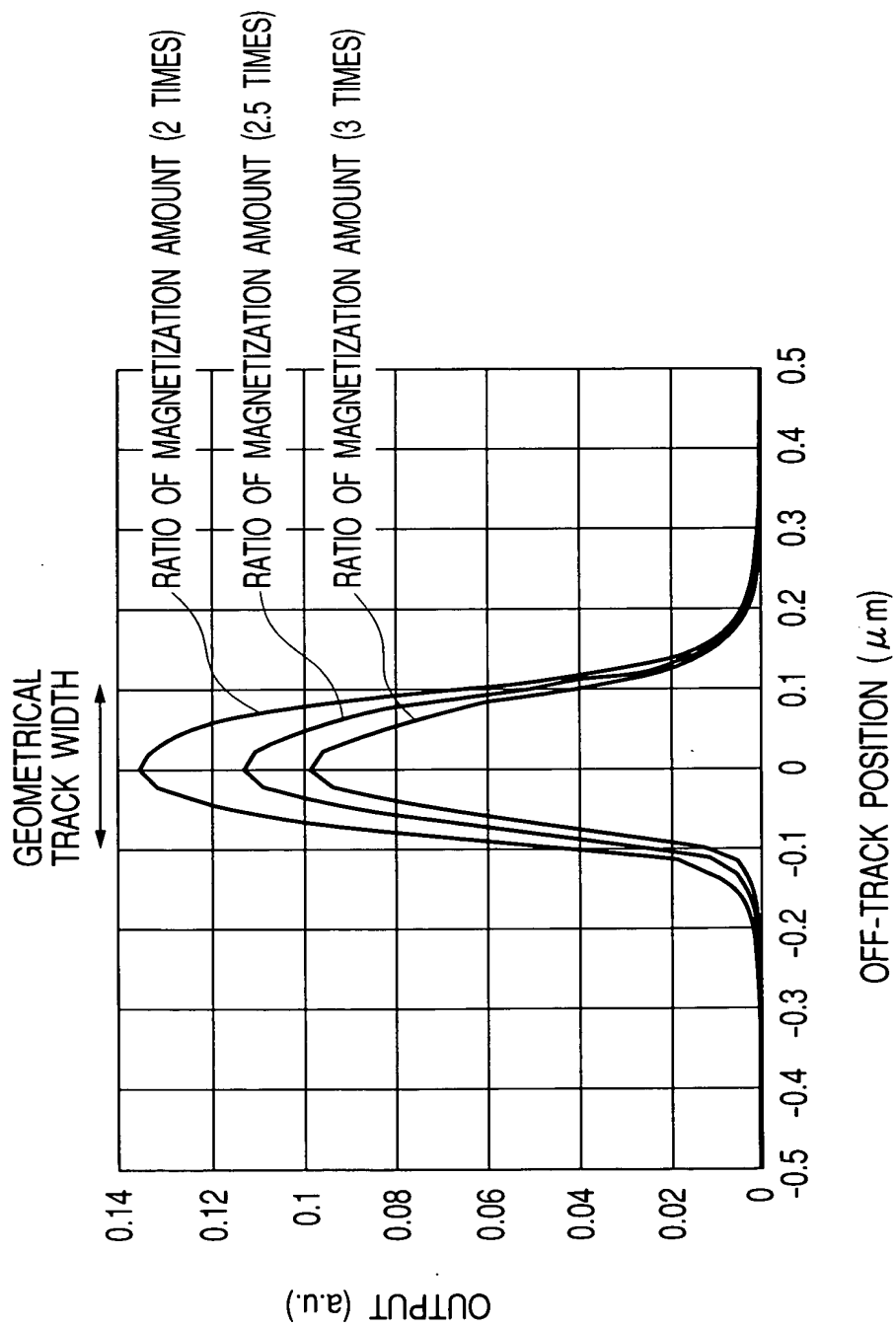
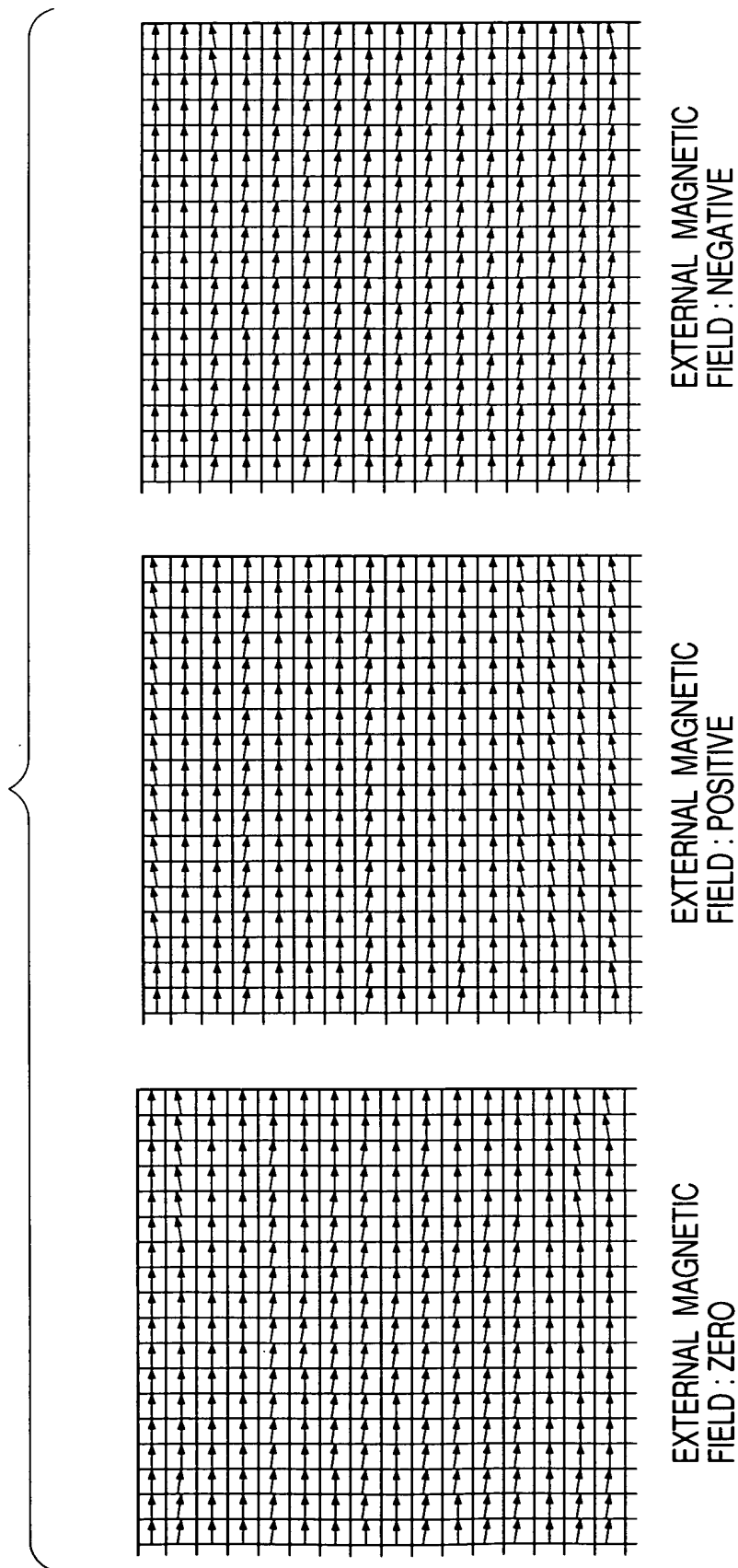
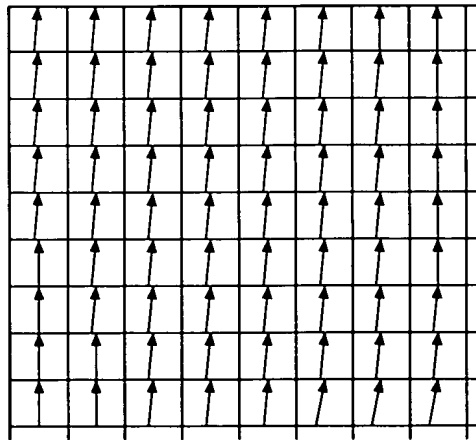


FIG. 12

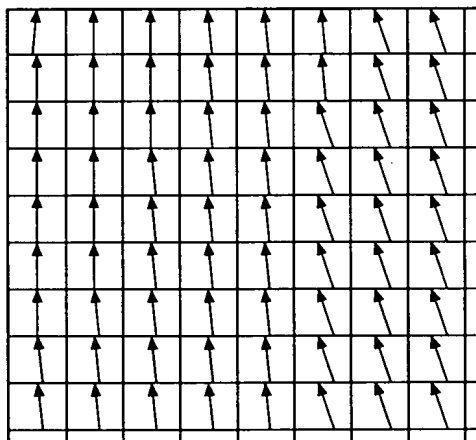


MAGNETIZATION DISTRIBUTION  
IN HARD-BIAS FILM

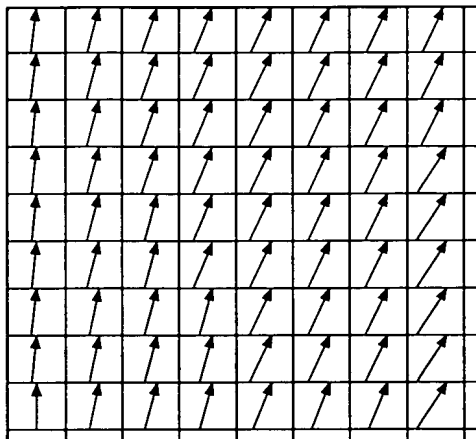
FIG. 13



EXTERNAL MAGNETIC  
FIELD : ZERO



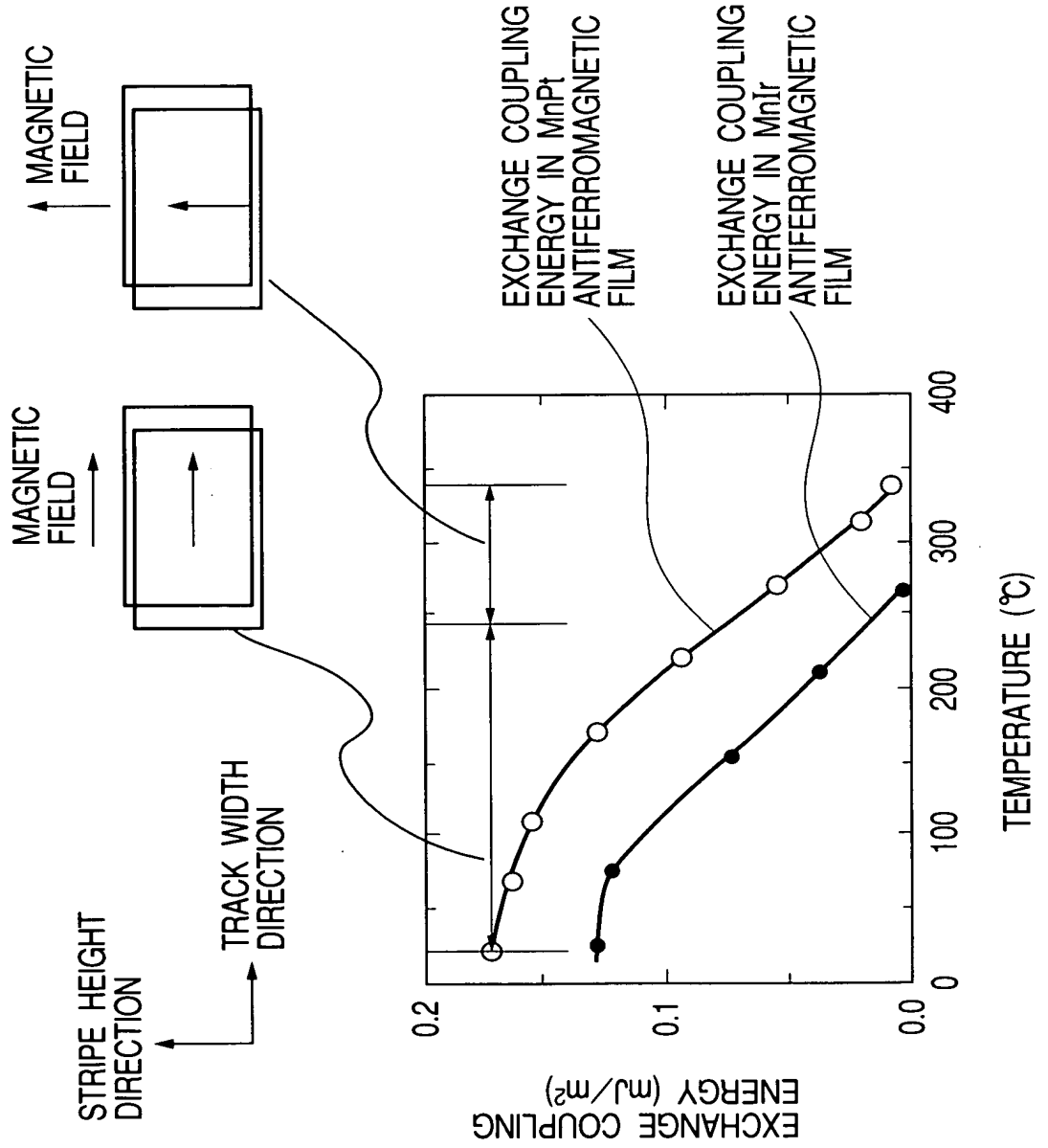
EXTERNAL MAGNETIC  
FIELD : POSITIVE

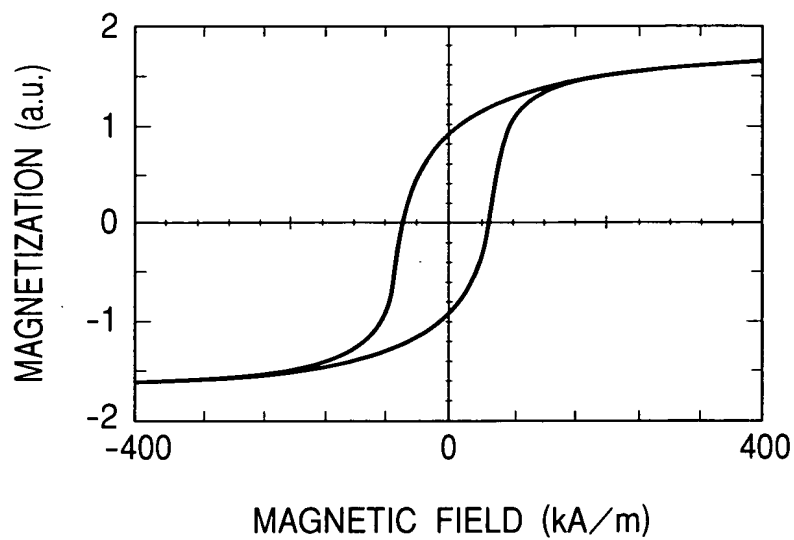
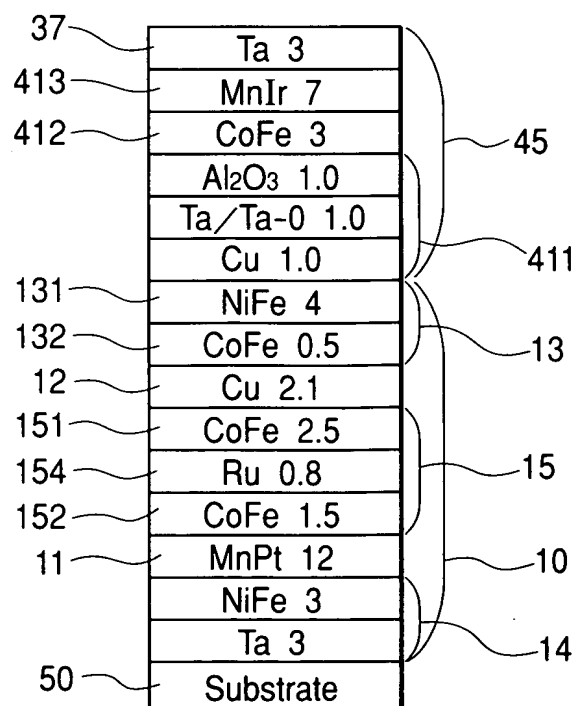


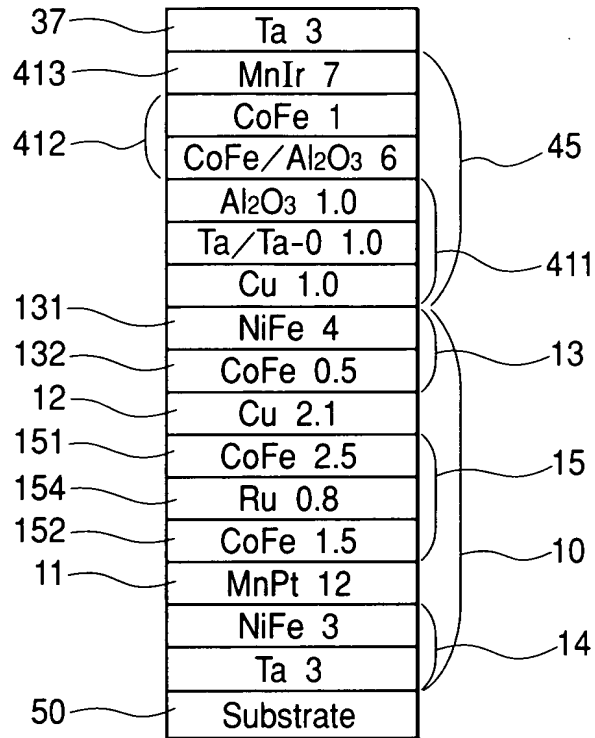
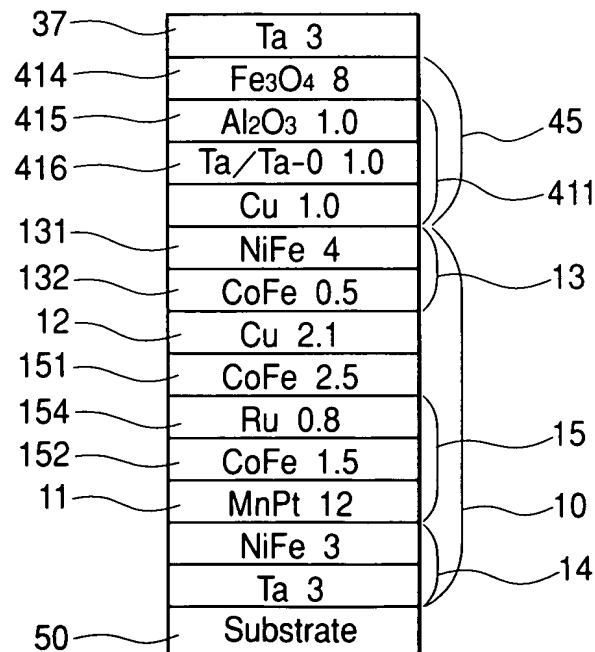
EXTERNAL MAGNETIC  
FIELD : NEGATIVE



FIG. 14



**FIG. 15****FIG. 16**

**FIG. 17****FIG. 18**

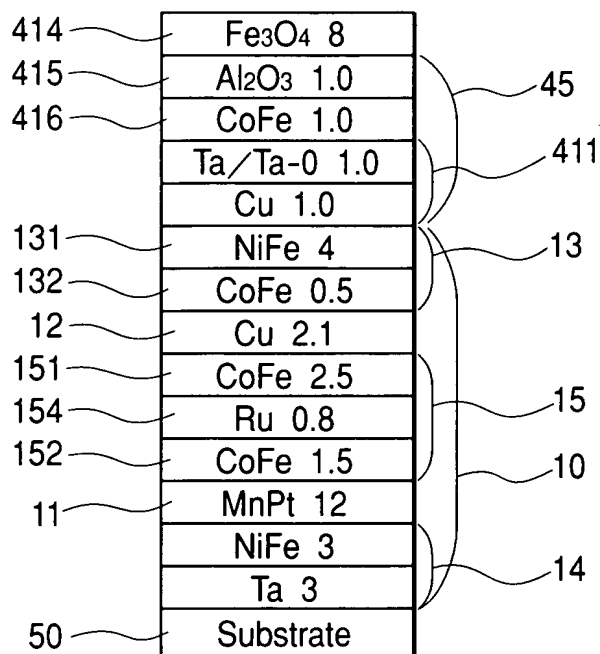
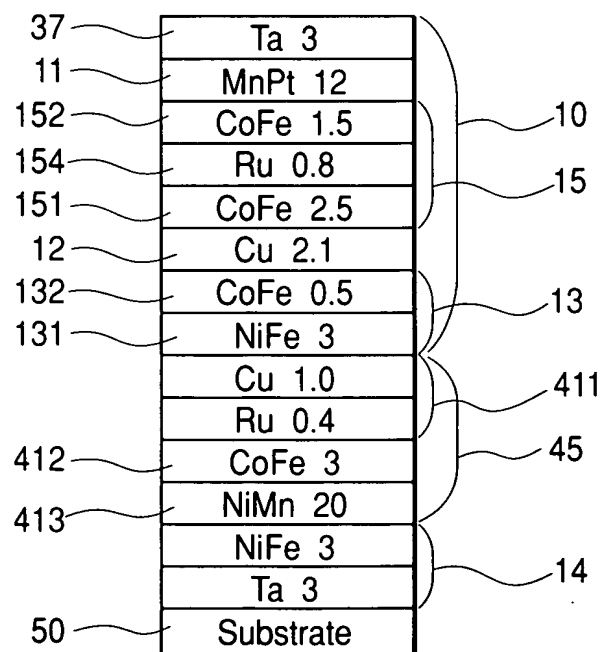
**FIG. 19****FIG. 20**

FIG. 21

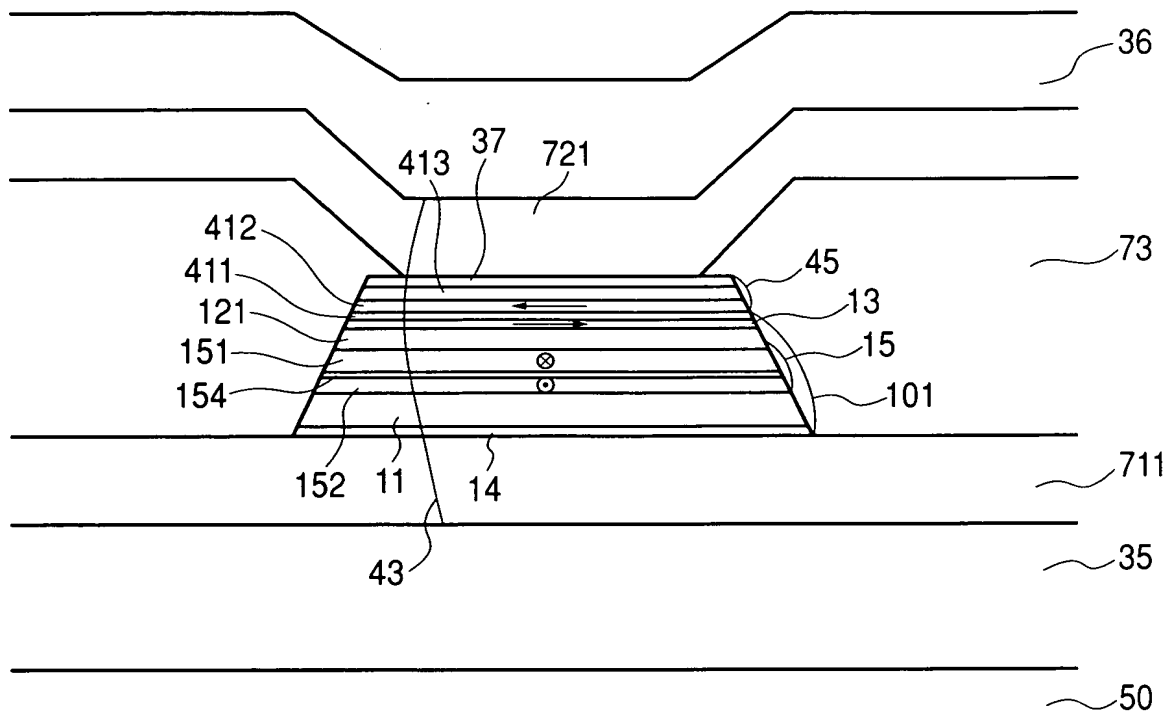
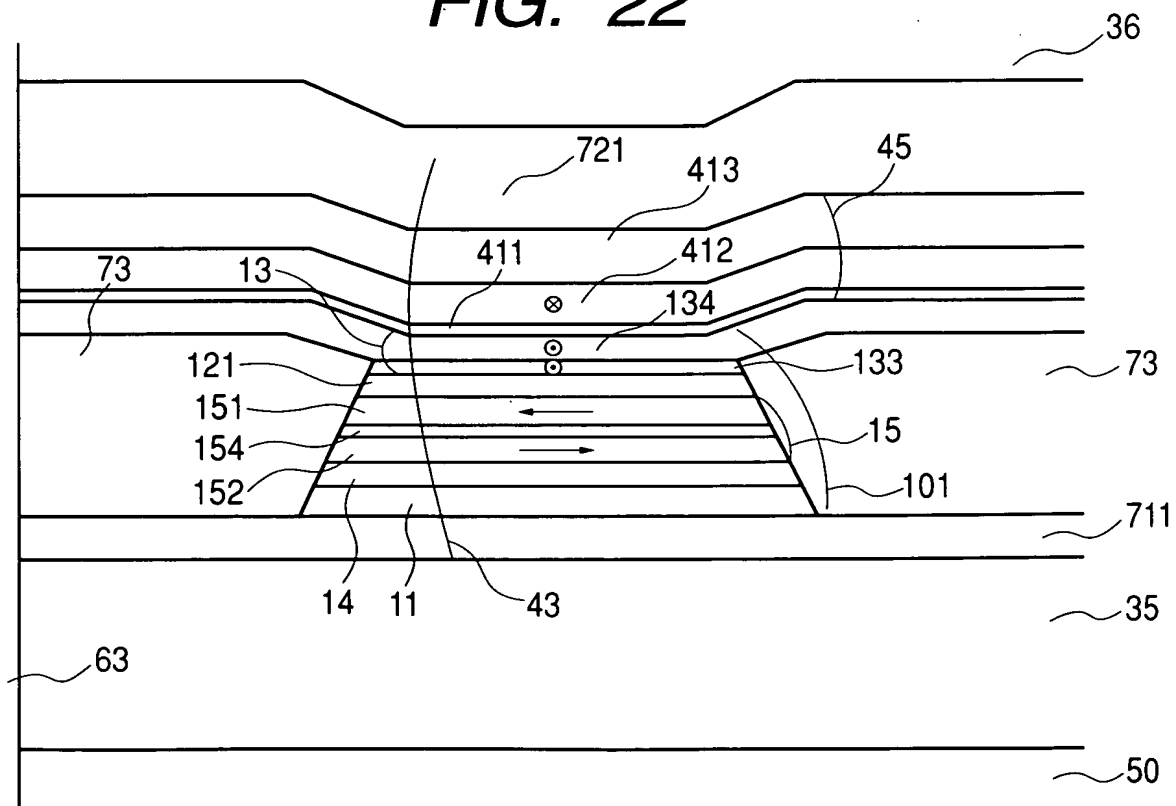


FIG. 22



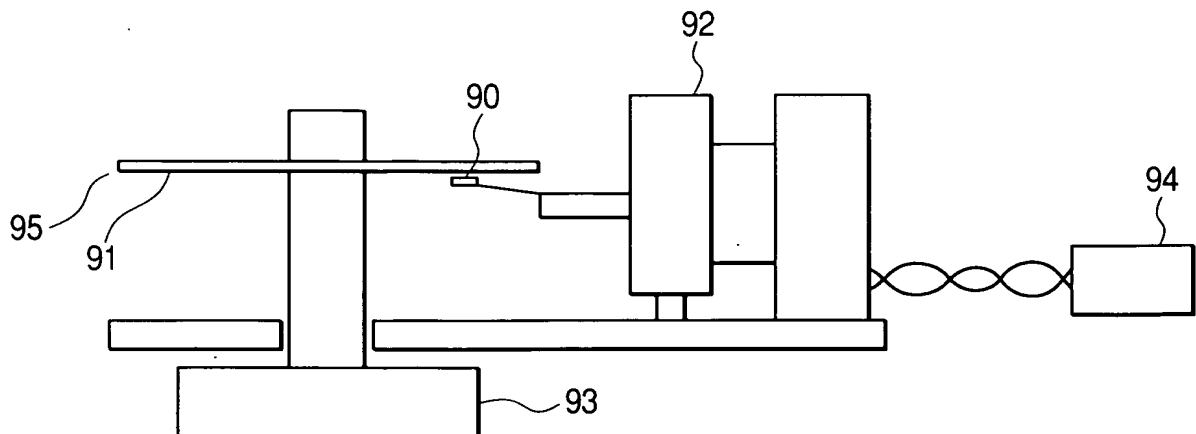


FIG. 25

